

From glowbugs@theporch.com Mon Sep 30 08:52:37 1996  
Return-Path: <glowbugs@theporch.com>  
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com  
(8.8.0/AUX-3.1.1) with SMTP id IAA07618; Mon, 30 Sep 1996 08:46:30 -0500 (CDT)  
Date: Mon, 30 Sep 1996 08:46:30 -0500 (CDT)  
Message-Id: <9609301411.AA106835@csemail.cropsci.ncsu.edu>  
Errors-To: conard@tntech.campus.mci.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 307  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=US-ASCII  
Mime-Version: 1.0  
X-Mailer: ELM [version 2.4 PL24]  
Status: 0

#### GLOWBUGS Digest 307

Topics covered in this issue include:

- 1) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 2) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 3) Re: QRP with tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 4) Re: (Fwd) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 5) Re: (Fwd) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 6) Re: (Fwd) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 7) Re: Military BA gear  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 8) Re: HELLO ? ? ?  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 9) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 10) Re: Tube QRP  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 11) Re: QRP with tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>

- 12) Re: Hello  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 13) Re: "PisWeakens"  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 14) Re: Output from 5Y3 P.S.  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 15) Re: need a xtal or 2 (fwd)  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 16) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 17) Re: QRP & tubes  
by Jeffrey Herman <jherman@hawaii.edu>
- 18) QRP articles of interest from 50s/60s  
by "Paul F. Carreiro" <carreiro@current.BarePower.net>
- 19) Re: Hello  
by jkh@lexis-nexis.com (John Heck)
- 20) Re: QRP & tubes & Homebrewischen Glowintransceiveren  
by rdkeys@csemail.cropsci.ncsu.edu
- 21) Re: QRP & tubes & glowbuggin' de ol' ether.....  
by rdkeys@csemail.cropsci.ncsu.edu

-----  
Date: Sun, 29 Sep 1996 19:17:14 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: john <johnmb@mindspring.com>  
Subject: Re: QRP & tubes  
Message-ID: <199609300216.WAA02188@user2.mnsinc.com>

Ask around, John.  
I believe that copyrights expire after 17 years.

At least with SONGS they do!

72 de AF4K, Brian

> Date: Sat, 28 Sep 1996 12:44:03 -0400 (EDT)  
> To: bry@mail1.mnsinc.com, glowbugs@theporch.com  
> From: john <johnmb@mindspring.com>  
> Subject: Re: QRP & tubes

> At 06:58 AM 9/28/96 -0500, you wrote:

>

> >I know that a LOT of hams MUST have page scanners, and a lot of these  
> >same hams MUST have some old schematics of tube transmitter projects.

> >

> >They could be scanned in easily and made into .GIF files or .BMP

> >files and put up as an archive in an FTP site for anyone to download!

> >

>

> I have both, but there is the matter of copyright violation.  
> It's one thing to copy things to send to a friend, another to actually  
> republish them on the web without permission.

>

> Good idea, but I dont want to meet any of Tab's (for example)  
> corporate lawyers....

> /john  
> wb5oau/4

>

>

>

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 19:35:28 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: "Dan Harriman" <KC5GXL@pnx.com>  
Subject: Re: QRP & tubes  
Message-ID: <199609300234.WAA02761@user2.mnsinc.com>

Dan - did you get yourself subscribed OK to GLOWBUGS?

Send a message to:  
glowbugs@theporch.com  
with text:  
SUBSCRIBE YOURNAME YOURCALL

> From: "Dan Harriman" <KC5GXL@pnx.com>  
> To: bry@mail1.mnsinc.com  
> Date: Sun, 29 Sep 1996 08:19:59 +0000  
> Subject: Re: QRP & tubes  
> Priority: normal

> Hi Brian;  
> This list is working just fine! Nice to  
> see you boys up here. Your talk is sure  
> interesting. Nothing to say right now  
> except keep up the good work!  
> de kc5gx1 aka Dan

>

>

>

>

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 19:35:29 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: Gary <deer119@alliance.net>  
Subject: Re: QRP with tubes  
Message-ID: <199609300234.WAA02767@user2.mnsinc.com>

Hi Gary & welcome to the group.  
We decided to move the discussions here to GLOWBUGS.

This is a great place to share ideas about building small tube transmitters.  
Several of us are planning to build these this winter.

Please send a message to:  
glowbugs@theporch.com  
with text:  
SUBSCRIBE YOURNAME YOURCALL

> Date: Sun, 29 Sep 1996 07:54:50 -0400  
> To: bry@mnsinc.com  
> From: Gary <deer119@alliance.net>  
> Subject: QRP with tubes  
  
> >Return-Path: <boatanchors@theporch.com>  
> >Date: Thu, 26 Sep 1996 06:05:49 -0500 (CDT)  
> >Errors-To: listown@jackatak.theporch.com  
> >Reply-To: bry@mail1.mnsinc.com  
> >Originator: boatanchors@theporch.com  
> >Sender: boatanchors@theporch.com  
> >From: "Brian Carling" <bry@mail1.mnsinc.com>  
> >To: Multiple recipients of list <boatanchors@theporch.com>  
> >Subject: QRP with tubes  
> >X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
> >X-Comment: Amateur Radio Equipment Using Vacuum Tubes  
> >  
> >Hi guys!  
> >I was wondering if anyone here is interested in builing /  
> >resurrecting small QRP tube CW transmitter(s)?  
> >There is a small group of us corresponding about such tings via an  
> >e-mail cc: list - If you'd like to join us in chatting about these  
> >things drop me an e-mail.  
> >

> >Several guys are going to build such this fall/winter and maybe try  
> >to sked on the air, others are resurrecting old homebrew tube QRP rigs  
> >that they built years ago, and still others are just trading stories  
> >about such experiences.  
> >  
> >E-mail to AF4K by replying to this  
> >( bry@mnsinc.com )  
> >Brian Carling in Gaithersburg, Maryland, USA  
> >bry@mnsinc.com  
> ><http://www.mnsinc.com/bry/>  
> >  
> Hi Brian, I would be interested in building and operating a small tube Qrp  
> xmitter. Please add my name to your list. Thanks Gary WB80FU  
>  
>  
>  
Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 19:35:29 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: Jeffrey Herman <jherman@hawaii.edu>  
Subject: Re: (Fwd) Re: QRP & tubes  
Message-ID: <199609300234.WAA02764@user2.mnsinc.com>

Of course, Jeff, that would be a bit dangerous.  
I am familiar with those kinds of circuits, typically using tibes  
like a 117N7 or a 117L6

You just have to watch your fingers! - and of course stay away from the  
chassis at all times!!

> Date: Sat, 28 Sep 1996 08:09:18 -1000  
> From: Jeffrey Herman <jherman@hawaii.edu>  
> To: Brian Carling <bry@mail1.mnsinc.com>  
> Cc: Multiple recipients of list <glowbugs@theporch.com>  
> Subject: Re: (Fwd) Re: QRP & tubes

> > Date: Mon, 23 Sep 1996 21:51:14 -0700  
> > Subject: Re: QRP & tubes  
> >  
> > See the now long out-of-print book 104 projects for the radio amateur.  
> >  
> > We've got that book in our library! It's full of 1, 2, and 3 tube  
> > transmitters. Just incredible! I like the one xmtr with a single

> tube that uses the wall current for its filament; no power supply  
> other than a single wire going to the wall socket - you pick the  
> correct position for the wall plug by watching an NE2 light up;  
> the wrong way and you have 110vac on the key. Ouch!

>  
> 73 from Hawaii,  
> Jeff KH2PZ / KH6

>  
>  
>

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 19:35:28 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: Brien Pepperdine <pepperb@gov.on.ca>  
Subject: Re: (Fwd) Re: QRP & tubes  
Message-ID: <199609300235.WAA02776@user2.mnsinc.com>

OK - well, I will have to take your word for it!  
I am not sure how to search for it on an FTP site, even though I DO  
have FTP access here!

72 - AF4K

> Date: Sun, 29 Sep 1996 19:47:00 -0400 (EDT)  
> From: Brien Pepperdine <pepperb@gov.on.ca>  
> To: Brian Carling <bry@mail1.mnsinc.com>  
> Subject: Re: (Fwd) Re: QRP & tubes

>  
> Just to confirm, there is an archive of glowbugs at the Sunsite/unc etc.  
> archive - same place the BA archive is at.

>  
> Brien

>  
>  
>

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 20:18:35 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: Re: (Fwd) Re: QRP & tubes  
Message-ID: <199609300318.XAA04361@user2.mnsinc.com>

Dave - are you considering getting something like that on the air again now?

Several of us are going to work on these things this winter & maybe even have a net on the air! Or possibly some special activity days.

Bry, AF4K

> Date: Mon, 23 Sep 1996 21:51:14 -0700  
> From: dgf@netcom.com (David Feldman)  
> To: bry@mail1.mnsinc.com  
> Subject: Re: QRP & tubes  
>  
> I did, back in about 1971. A single 50L6 as a 40M oscillator, crystal  
> controlled.  
>  
> See the now long out-of-print book 104 projects for the radio amateur.  
>  
> MUCH FUN!!!!!!  
>  
> 73 Dave WB0GAZ dgf@netcom.com  
>  
> Brian Carling in Gaithersburg, Maryland, USA  
> bry@mnsinc.com  
> <http://www.mnsinc.com/bry/>  
>  
>  
Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 20:18:36 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: BEN NOCK <106312.1035@compuserve.com>  
Subject: Re: Military BA gear  
Message-ID: <199609300318.XAA04368@user2.mnsinc.com>

Hello Ben - not sure what you are referring to since you don't say!

If it is the QRP-with-valves GROUP - all you have to do is send an e-mail to:

glowbugs@theporch.com  
with the text:  
subscribe YOURNAME YOURCALLSIGN

> Date: Sat, 28 Sep 1996 09:35:57 -0400  
> From: BEN NOCK <106312.1035@compuserve.com>  
> Subject: Re: Military BA gear  
> To: "Brian Carling" <bry@mail1.mnsinc.com>

> YES !, what list is this then ? and how does one use it ?

>

> Ben G4BXD.

>

>

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 20:18:35 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: hmillersound.net  
Subject: Re: HELLO ? ? ?  
Message-ID: <199609300318.XAA04358@user2.mnsinc.com>

Harley - I have got to put together a number of additional parts  
before I can get started.  
Is there any way that you would consider sending me a photocopy of  
those plans?  
I would gladly pay postage & copying cost.

My address is:  
Brian Carling AF4K / G3XLQ  
18016 Fertile Meadow Court  
Gaithersburg, MD 20877 USA

Did you get subscribed successfully to glowbugs yet?  
Send an e-mail to:  
glowbugs@theporch.com  
with the text:  
subscribe YOURNAME YOURCALL

72 de AF4K / G3XLQ  
Bry

> Date: Sat, 28 Sep 1996 06:49:27 -0500  
> From: "Harley L. Miller" <hmillersound.net>



> Reply-to: hmliller@sound.net  
> To: bry@mail1.mnsinc.com  
> Subject: Re: HELLO ? ? ?

> Brian Carling wrote:

> >

> > Anybody else here yet?

> > 72 de AF4K

> > Brian Carling in Gaithersburg, Maryland, USA

> > bry@mnsinc.com

> > <http://www.mnsinc.com/bry/>

> =====

> Bry:

>

> Yes, I've been on a couple of days, not as much activity as the qrp-1  
> group, maybe we can liven it up. I found an article in the Mar 68  
> Electronics Illustrated on a '1 bottle xmitter for 40', uses a 6AQ5  
> similar to the 'bare essentials' but safer since it uses a transformer.  
> The 125V/6.3V transformer combination was a standard of the tube sets of  
> the 60s. Should be some around. Despite my packrat ways, I think I threw  
> out a couple 7 years ago when we moved to a new house. Had about 30  
> various assorted transformers from TV and radio and they all went in a  
> moment of weakness. The one I have left is the power supply for the  
> HG-10B Heath VFO, and I plan to use it for a project or two. Hope some  
> more of the tubers have come in to the glowbug group.

>

> Harley L. Miller WB0R0Q

>

>

>

>

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com

<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 20:18:37 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>

To: glowbugs@theporch.com

Subject: Re: QRP & tubes

Message-ID: <199609300318.XAA04379@user2.mnsinc.com>

> Date: Sat, 28 Sep 1996 06:27:43 -0500 (CDT)

> Reply-to: hmliller@sound.net

> From: "Harley L. Miller" <hmliller@sound.net>

> To: Multiple recipients of list <glowbugs@theporch.com>

> Subject: Re: QRP & tubes

Harley Miller says:

> Bry:  
>  
> Yes I would be interested in an informal list to discuss tube projects.  
> We might help each other find some tubes also. I dug into my old tube  
> box last night and found only one 6AG7 to use for my VFO, hope it still  
> works. It was a metal can Mil. Spec.! Found a 6L6 metal also. I have a  
> good collection of 73, CQ, QST and various assorted such as Popular  
> Electronics that I find some old tube projects. They were mostly  
> nostalgia articles, but a few from the era when tubes \*were\* radio. Also  
> I mentioned in the last post that I have the 'Low and Medium Frequency  
> Radio Scrapbook'. It is geared to those frequencies, and has a lot of  
> tube gear projects, just scale up the frequency components and they fit  
> the ham bands.  
> I retired this June after 35 years teaching bands in NE and MO, so I  
> have some time on my hands right now. Will probably get some kind of job  
> to supplement retirement pay and keep busy.  
> I ran across a web site that proposed a low power tube station for its  
> members. Don't remember what the exact name or address was, but it  
> called itself the Pisweaker group. If I find it again, I'll let you know  
> where it is, but you can probably find it through a search engine or ham  
> radio links. They were trying to get up interest in what we are  
> discussing and may be a good contact.  
> Keep in touch and lets see what we come up with. As soon as we get gear  
> operational, lets try a sked contact. If enough are interested we may be  
> able to get up an informal net.  
>  
> Harley L. Miller WB0ROQ  
> QRP-L #393        ARS #77

I would definately like to do that!

Where do you live?

I am in MD. Good place for plentty of contacts on 75 and 40m.

>

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com

<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 20:18:36 +0000

From: "Brian Carling" <bry@mail11.mnsinc.com>

To: scotbri@rosevax.rosemount.com

Subject: Re: Tube QRP

Message-ID: <199609300318.XAA04376@user2.mnsinc.com>

Scott BrighAM writes:

> Hi Bry --  
>  
> I've been getting back into hamming in the past  
> few years after letting it wane, and have been  
> focusing on QRP and boatanchor worship. One thing  
> I dug out of my pile of "stuff" was a one-tube  
> QRP transmitter I built about 10 years ago.  
> It uses a 6AQ5, is crystal controlled and puts  
> out about 2 watts on 80 and 40 meters. The only  
> problem is, I have no idea where I got the original  
> plans for it -- some book I must have gotten at  
> the library at the time. It is a cute little  
> rig. I may have to reverse engineer it some day  
> and at least create a schematic.  
>  
> 73,  
> Scott

Scott, if you do it, I would REALLY like to see a copy of that schematic, even a hand drawn one!

Did your rig get out a pretty clean signal? Or did it chirp?  
That always seems to be more of a challenge with those single stage rigs!

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 20:18:38 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: "Dan Harriman" <KC5GXL@pnx.com>  
Subject: Re: QRP with tubes  
Message-ID: <199609300318.XAA04393@user2.mnsinc.com>

OK Dan - just jump on in!  
Send an e-mail addressed to:  
glowbugs@theporch.com  
with the text:  
subscribe YOURNAME YOURCALL

Soon you will be reading the discussions (AND hopefully send us your thoughts and ideas too!)

72 de AF4K / G3XLQ

> From: "Dan Harriman" <KC5GXL@pnx.com>  
> To: bry@mail1.mnsinc.com  
> Date: Sat, 28 Sep 1996 07:39:31 +0000  
> Subject: Re: QRP with tubes  
> Priority: normal

> Hi Bryan;  
> I would very much like to 'eves drop' on your  
> conversations about tube qrp! I have several  
> tube sockets and some tubes. Maybe enough  
> to build one of your xmtrs. I probably won't  
> add discussion but sure would like to learn!  
> tnx de Dan aka kc5gx1

>  
> kc5gx1@pnx.com

>  
>  
>  
>  
>  
Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 20:18:38 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: jlevro@shore.net (John Levreault)  
Subject: Re: Hello  
Message-ID: <199609300319.XAA04415@user2.mnsinc.com>

Hi John - welcome to the group!  
Please send a message to:  
[glowbugs@theporch.com](mailto:glowbugs@theporch.com)  
with the text:  
SUBSCRIBE YOURNAME YOURCALL

See you there!  
I hope to get going on this soon.  
I don't have much money to spend on this, but I will see what the  
junk box holds!  
I have a bunch of tubes here, but I need a HV transformer that will  
give me like 350-0-350 or so for my b+ supply.

72 de AF4K / G3XLQ

> Date: Sat, 28 Sep 1996 10:45:51 -0400 (EDT)  
> To: bry@mail1.mnsinc.com

> From: jlevro@shore.net (John Levreault)  
> Subject: Re: Hello

> >Hi - is anyone here?  
> >I haven't seen too many messages!  
> >There was a bunch of us interested in QRP and small tube CW  
> >transmitter construction projects for this winter!  
> >  
> >I am here and ready to start putting together some new junkbox  
> >supplies!  
> >  
> >Bry, AF4K  
> >Brian Carling in Gaithersburg, Maryland, USA  
> >bry@mnsinc.com  
> ><http://www.mnsinc.com/bry/>  
> >  
> >  
> Yo, Brian et al!  
> >  
> Just found this list via QRP-L. As you all probably know, there's quite a  
> renaissance going on in tube audio. I've been building "QRP" tube hi-fi gear  
> (i.e. 2A3's for 3W output) for a couple of years now and was wondering if  
> anyone was interested in the same stuff for hamming. Here you are!  
> >  
> I've been a ham since 1962 (KN1YEX/K1YEX) before upgrading about 10yrs ago.  
> First transmitter was a one-tube 6L6 power oscillator. I regret the day I  
> sold my Johnson Ranger for spending money in college. But now, I have a  
> stash of tubes and lots of HV parts, leftover from failed and abandoned  
> audio stuff. Looks like there's some tubed ham projects on the winter agenda!  
> >  
> I've been thinking about a direct conversion receiver for 40. Mixer on the  
> antenna, passive audio filtering, single ended audio output. Probably 3-4  
> tubes, well 5 counting the rectifier. Any ideas out there?  
> >  
> Also, how about using 12V tubes that were originally designed for car  
> radios? Seems like this might add to the "portability coefficient".  
> >  
> Anyway, there are quite a few places selling tubes and tube components.  
> Mouser was mentioned for parts, and I recommend them highly. HV power  
> transformers and chokes, filter caps, tube sockets, metal work, it's all  
> readily available, although not at pre-1960 prices. If there's any interest,  
> I can get a list together in a few days.  
> >  
> 73 de NB1I  
> John Levreault  
> >  
> >  
> >

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Sun, 29 Sep 1996 20:18:39 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: Re: "PisWeakens"  
Message-ID: <199609300319.XAA04419@user2.mnsinc.com>

HEY GREAT!  
I will have to check it out!  
THANKS for posting this!  
72 de AF4K

> Date: Sun, 29 Sep 1996 03:12:36 -0500 (CDT)  
> Reply-to: bhopkins@polarnet.com  
> From: bhopkins@polarnet.com (Bruce Hopkins - KL7JAF)  
> To: Multiple recipients of list <glowbugs@theporch.com>  
> Subject: "PisWeakens"

> Hi Gang...

>  
> Did a search and found the URL for the PisWeaker's page so here it is...  
>  
> [http://www.localnet.com/~walsov/PisWeakens/guidelines\\_pw.html#We](http://www.localnet.com/~walsov/PisWeakens/guidelines_pw.html#We)

> Lot of stuff to check out here so give her a bleary eyed squint...

>  
> We had our local hamfest here in Fairbanks today and it was a bust  
> trying to find parts for my hollow state rig... Time to call for a catalog  
> and keep my eyes out at the dumpster for a tube tye tv...

> Take care, and have fun...

> 72/73/oo's - Bruce \* KL7JAF

> EMPS QS0s=0 STATES(w/c)=0/0 DX=0

> QRP Web Page: <http://www2.polarnet.com/~bhopkins>

> "Every Man should learn to play the Flute,  
> but not well..."

>

>

>

>

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

You know that MAY be exactly what I will need to use for a chassis  
this winter!

```
> Date: Sun, 29 Sep 1996 00:46:12 -0500 (CDT)
> Reply-to: mjsilva@ix.netcom.com
> From: mjsilva@ix.netcom.com (michael silva)
> To: Multiple recipients of list <glowbugs@theporch.com>
> Subject: Output from 5Y3 P.S.
```

```
> Somebody mentioned their rig used a 5Y3 rectifier (can't say who since
> I'm trying out some new software and managed to erase -all- the new
> messages!) so I took a look in the tube manual -- first time I've
> looked at one of those rectifier graphs in anger. Turns out the
> numbers reported (from memory) match up very well with the databook.
> At 470 Vct (235 per plate) the output of a choke-input filter will be
> right around 175V at 30mA, and it will climb up to a little over 300
> no-load. So, yep, you did make all those contacts with 5W input!
>
> Also, regarding building rigs on cake pans, I've got a reprint of a
```

> '30s book around here somewhere that shows Joe Radio building a rig on  
> a cake pan and otherwise messing up the kitchen while the Master of the  
> Kitchen approaches with a rolling pin in her hand...nothing new under  
> the sun, eh?

>

> 73,

> Mike, KK6GM

>

>

>

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com

<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 20:18:39 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>

To: glowbugs@theporch.com

Subject: Re: need a xtal or 2 (fwd)

Message-ID: <199609300319.XAA04426@user2.mnsinc.com>

> From: Jeffrey Herman <jherman@hawaii.edu>

> To: Multiple recipients of list <glowbugs@theporch.com>

> Subject: need a xtal or 2 (fwd)

> From: carl yaffey <cyaffey@sprynet.com>

Jeff forwarded your message about needing crystals.

There is a LARGE list of sources available in the file xtals.txt  
available at:

<http://www.mnsinc.com/bry/>

Enjoy -

72 de AF4K

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com

<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 20:18:35 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>

To: hmillersound.net

Subject: Re: QRP & tubes

Message-ID: <199609300319.XAA04435@user2.mnsinc.com>

Harvey - I was at it for years.



When I was in engineering college we actually studied the transfer characteristics of tubes.  
Everything from mu to gain, various parameters.  
As a kidgrowing up in England. I had built working transmitters even from long before I had a license.  
You were required to be 16 years old to get a ticket and there was no novice or tech license, and NO multiple guess test!

More details later...

72 de AF4K

> Date: Sat, 28 Sep 1996 06:22:38 -0500 (CDT)  
> Reply-to: hmillersound.net  
> From: "Harley L. Miller" <hmillersound.net>  
> To: Multiple recipients of list <glowbugs@theporch.com>  
> Subject: Re: QRP & tubes

> Brian Carling wrote:

> >

> > Is anyone else using TUBES to generate their QRP signals???

> > Bry, AF4K

> =====

> Bry:

>

> I just started to build a one-tube crystal-controlled xmtr for 40m with  
> a 6V6, and am considering modifying it to include a 6AG7 VF, and maybe  
> making it multi-band with plug-in coils. The one-tuber is in the January  
> '85 issue of CQ magazine, and a similar set with vfo is in the 'Low and  
> Medium Frequency Scrapbook' by Ken Cornell.

> What sparked (g) your interest in the tube construction?

>

> WB0ROQ QRP-L #393 ARS #77

>

>

>

>

>

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com

<http://www.mnsinc.com/bry/>

-----

Date: Sun, 29 Sep 1996 19:27:31 -1000  
From: Jeffrey Herman <jherman@hawaii.edu>  
To: Brian Carling <bry@mail1.mnsinc.com>  
Subject: Re: QRP & tubes

Message-ID: <Pine.GS0.3.93.960929192003.8019B-100000@uhunix5>

On Sun, 29 Sep 1996, Brian Carling wrote:

> Send a message to:  
> glowbugs@theporch.com  
> with text:  
> SUBSCRIBE YOURNAME YOURCALL

No no no! That won't work, Bry. You send a message to:  
listproc@theporch.com and only write:  
subscribe glowbugs <your name/call> (without the "<>").

You see, ThePorch.com hosts at least three lists, and ListProc always  
uses the format:  
subscribe <list name> <your name>  
Lehigh.edu uses ListProc for the QRP-L list; same procedure.

Keep the soldering iron hot and the fingers cool,  
Jeff KH2PZ

-----  
Date: Mon, 30 Sep 1996 01:05:01 -0700  
From: "Paul F. Carreiro" <carreiro@current.BarePower.net>  
To: glowbugs@theporch.com  
Cc: carreiro@barepower.net  
Subject: QRP articles of interest from 50s/60s  
Message-ID: <199609300805.BAA02570@current.barepower.net>

Hello all, I'm a new subscriber here (like many) but long time subscriber of  
both QRP-L and Boatanchors. I guess you could say I caught the "bug".

All this talk about QRP with tubes got me curious about magazine articles from  
the 50s and 60s that this group might be interested in. I pulled out my stack  
of old mags and sifted through the "noise" and found the following articles  
that may spark interest with some here:

QST, March, 1956, Page 11 "CQ TR"  
Describes one of the first transistor QRP rigs. Power input: 55mW  
Very compact... way before it's time. (I know it ain't hollow state,  
but thought it would be of interest.)

QST, June, 1956, Page 34 "The Novice Special"  
Simple two tube Receiver with "Good sock". Uses two 6AQ5s (Detector and  
Audio Amp). Tuned input, not xtal controlled, but could be adapted.  
Power supply: 250VDC @ 50mA and 6.3VAC, uses 5Y3GT.

QST, July, 1956, Page 15 "Twenty Five Watts for the Beginner"  
One tube (6DQ6A) 80 meter crystal controlled transmitter.  
Power supply: 325VDC @ 125mA and 6.3VAC, uses 5Y3GT.

QST, October, 1956, Page 22 "A Single Tube Converter for the Novice Special"  
Single tube (6AN8) converter for the Novice Special receiver to help  
high frequency (above 7 MHz) stability. Uses crystal oscillator  
section.  
Power supply: Existing Novice Special supply.

QST, December, 1958, Page 24 "Two Tube Mobile Transmitter"  
Two tube (12AT7 and 6CL6) 10 watt input AM transmitter (could be  
modified  
for CW). One half of the 12AT7 is Modulator, other half is Oscillator.  
Power supply: Requires 200 to 300 VDC @ 90mA, 6 or 12 V for filaments.  
Crystal controlled.

73, March, 1963, Page 22 "QRP Transmitter"  
Simple one tube crystal controlled transmitter. Uses a 1S4 tube  
(\$1.50 at  
AES). "Can be loaded up to 1/2 watt with 90 volts B+". Not sure if this  
means 1/2 watt input or output. Definitely qualifies as peanut whistle.  
Power supply: Requires 90 VDC and 1.5V for filament.  
(Special note: this was 73 Mag's famous "Receiver Issue")

QST, February, 1964, Page 20 "Some Notes on Reducing Power"  
An interesting article outlining various methods for reducing  
output power  
in tube gear. Covers plate voltage, screen voltage and "brute force"  
(attenuating output) methods.

I'm sure there are alot more articles available. These were taken from my  
limited  
stock of "classic age" ham mags. If anyone as other article leads, please pass  
them on.

-----  
-----

#### Personal Introduction:

I collect "classic" crystal controlled CW Novice rigs from the 50s and 60s.  
These  
"mini-BAs" exist in that strange space between QRP and QRO (10 to 45 watts  
output).  
The advantage to these little critters is they are relatively cheap; easy to  
work  
on; LIGHT WEIGHT; and use standard, time tested, easy to troubleshoot circuitry.  
I especially love to find old rigs that have yet to have their first QSO. These

hard to find gems were typically built by a young novice back in the 50s/60s without an elmer's help. Construction techniques are usually pretty poor, so poor that the rig never operated in the first place. I intentionally try to leave as much of the original workmanship (or lack there of) intact out of respect for the little tike that built it way back when, then, put it on the air for it's first QSO. About the only thing I get a kick out of more is being the first CW QSO for a brand new licensee. One fantasy I have is to find one of these inoperative rigs, restore it, find the original owner (now much older) and return it to them for use. Oh well, one can always dream. Anyway, that's me.. among other things.  
73/72  
Paul N6HCS /M /QRP /QRQ

-----  
Date: Mon, 30 Sep 96 09:04:23 EDT  
From: jkh@lexis-nexis.com (John Heck)  
To: glowbugs@theporch.com  
Subject: Re: Hello  
Message-ID: <9609301304.AA00542@beans.lexis-nexis.com>

I have also found Mouser to be very friendly to small quantity purchasers and don't seem to resent handling lotsa one and two thingy orders. They even carry xtal earplugs. Speaking of crystals, any of you guys members of the Xtal Set Society?  
Anybody interested in occasional chats about xtal set construction, experiences, etc?  
John Heck, KC8ETS  
Dayton, Ohio  
jkh@lexis-nexis.com

>  
> Speaking of junkboxes, I've discovered that Mouser is a surprisingly  
> good source for tube-friendly components. For example, they sell the  
> heavier gauges of magnet wire (for winding those pillbottle coils) for  
> \$9-10 per one pound spool, about half what other folks seem to charge.  
> They also have terminal strips, some fairly large RF chokes that I want  
> to try, and very good prices on 1/2 watt resistors (1.4 cents @ 100).  
> I'm thinking about ordering a range of the 20% values, so for around  
> \$35 and perhaps some creative paralleling I'll have just about all the  
> bigger-than-1/4W resistors I'll ever need.  
>

> 73,  
> Mike, KK6GM  
>  
>

-----  
Date: Mon, 30 Sep 1996 10:00:19 -0400 (EDT)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: pharden@aoc.nrao.edu  
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com  
Subject: Re: QRP & tubes & Homebrewischen Glowintransceiveren  
Message-ID: <9609301400.AA106810@csemail.cropsci.ncsu.edu>

>  
> Brian,  
> As if I don't have enough irons in the fire ... but a future  
> project I'd like to do before too long is build a vacuum tube  
> transceiver. I've got all the parts and then some left over  
> from the good old days. Have a bunch of old postage stamp  
> ceramic caps, original Phanestok clips (sp?), vintage switches,  
> etc. Just need to sit down and do it.

Well....., ahhh....., er..... lets me twiddles de ol' glowbottle time  
machine, an' submits that one of the ORIGINAL transceiver designs can  
be found in Radio Broadcasting, about 1923, using a single 5 watter  
bottle, in a combo regen-cw rig fer 200 o' de ol' metres an' down.....  
Now ye gonna hafta gets me a tippietoeing through the dusty musty stacks  
ta sees if me can finds meself that article, once again.....(:+}}.....

> 72, Paul NA5N

73/73/ZUT/etc DE NA4G/Bob UP

p.s. If any o' the glowbugge folks were on the Classic eXchange run  
last night, I would appreciate feeedback of anyone that heard  
ol' Grandma Hartley burning holes in the ether last night.  
I stoked her fires most highly to get her to squeek 2 bottlewatts  
through the ether, and managed to make a few qso's as far north  
as the Big Apple and as far west as ChiTown. But it was hard to  
compete with the Viking 500 crowd.....(:+\.....

-----  
Date: Mon, 30 Sep 1996 10:11:17 -0400 (EDT)  
From: rdkeys@csemail.cropsci.ncsu.edu

To: sigcom@juno.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com  
Subject: Re: QRP & tubes & glowbuggin' de ol' ether.....  
Message-ID: <9609301411.AA106835@csemail.cropsci.ncsu.edu>

Sounds like some kindred spirites amidst the ether.....

> Well Bry, I haven't had that rig on the air in probably over 20 years,  
> but I've been thinking about doing just that and I you just pushed me  
> past the thinking stage. I just went out to the garage and up on the  
> shelf, there it sat (boy is it DUSTY). Still has a crystal in it for  
> 7160, not much use now but that used to be part of the Novice segment.  
> It's all there (Even has a Collins "meatball" emblem stuck on the front  
> as a joke. That's the closest I could get to owning a Collins anything  
> when I was a kid!). So I checked around the shop for crystals. You  
> know, I could kick myself for getting rid of those old rocks now. When  
> I got a rig with a VFO I figured that I'd never need those fossils again,  
> so I sold almost all I had at the swap meet. However, I did find three  
> that hold some promise: 7040 (I hope that one works), 7050 (don't know  
> how quiet that freq. is) and 7137. I also found one I could grind up in  
> freq. if I have to (6950 kHz). All FT243 holders! Classic.

Well, thar me friend, plys ye the ether wid that fine ol' 7050 rock, an  
joins us in the evenings on the BA/GB Friendly Firebottle Fist Function  
roundtable:

QTR 0100Z QRG 7050R500KHZ  
QTR 0200Z QRG 3579R545KHZ (rips ye up an olden tv fer its colorburst rock)  
QTR 0300Z QRG 1802R500KHZ  
QTR 0400Z QRG 3579R545KHZ (mostly fer OT pre-ww2 bottleburners).

Also, grapples ye up a televisecolorburstorocco fer a fine gang o' folks.  
Most of us are on the left bank, but when conditions be good, the right bank  
also can be heard.

> BTW, I have one other rig left over that I built during my novice days.  
> It was considered QRP back then when 100 Watts was QRP. I is a 12BY7  
> followed by a 1625 (an 807 with a 12 volt filament). It runs 75 Watts,  
> has plug in coils for band change although I only wound coils for 40  
> meters. I built that one from plans from the ARRL handbook. It's a  
> clean machine, really has a nice note.

Oh, a fine bottleburner, fer sure! Do stoke her up!

> That's it for now. 73.....Steve

73/ZUT DE NA4G/Bob UP

-----  
End of GLOWBUGS Digest 307

\*\*\*\*\*